

<221> VARIANT  
 <222> 4  
 <223> Xaa = any amino acid; 2-5 amino acids in length

<221> VARIANT  
 <222> 15  
 <223> Xaa = hydrophobic residue

<221> VARIANT  
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 <223> Xaa = any amino acid; 3-5 amino acids in length

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 Arg His Xaa His  
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<210> 163  
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 <213> Artificial Sequence

<220>  
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<221> VARIANT  
 <222> 1, 9  
 <223> Xaa = Phe or Tyr

<221> VARIANT  
 <222> 2, 6-8, 10, 12, 16  
 <223> Xaa = any amino acid

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 Arg His Xaa His  
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Figure 1

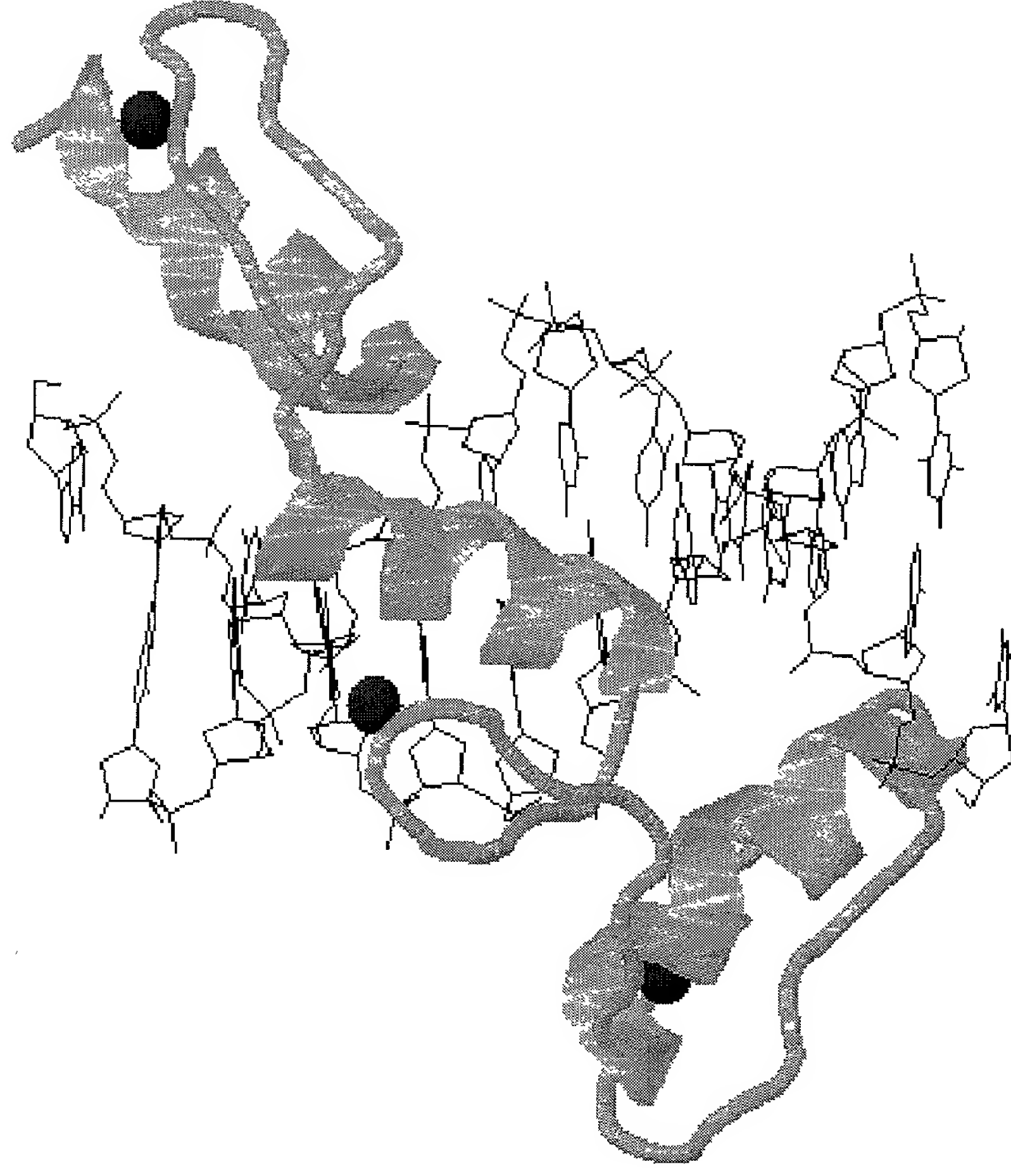


Figure 2

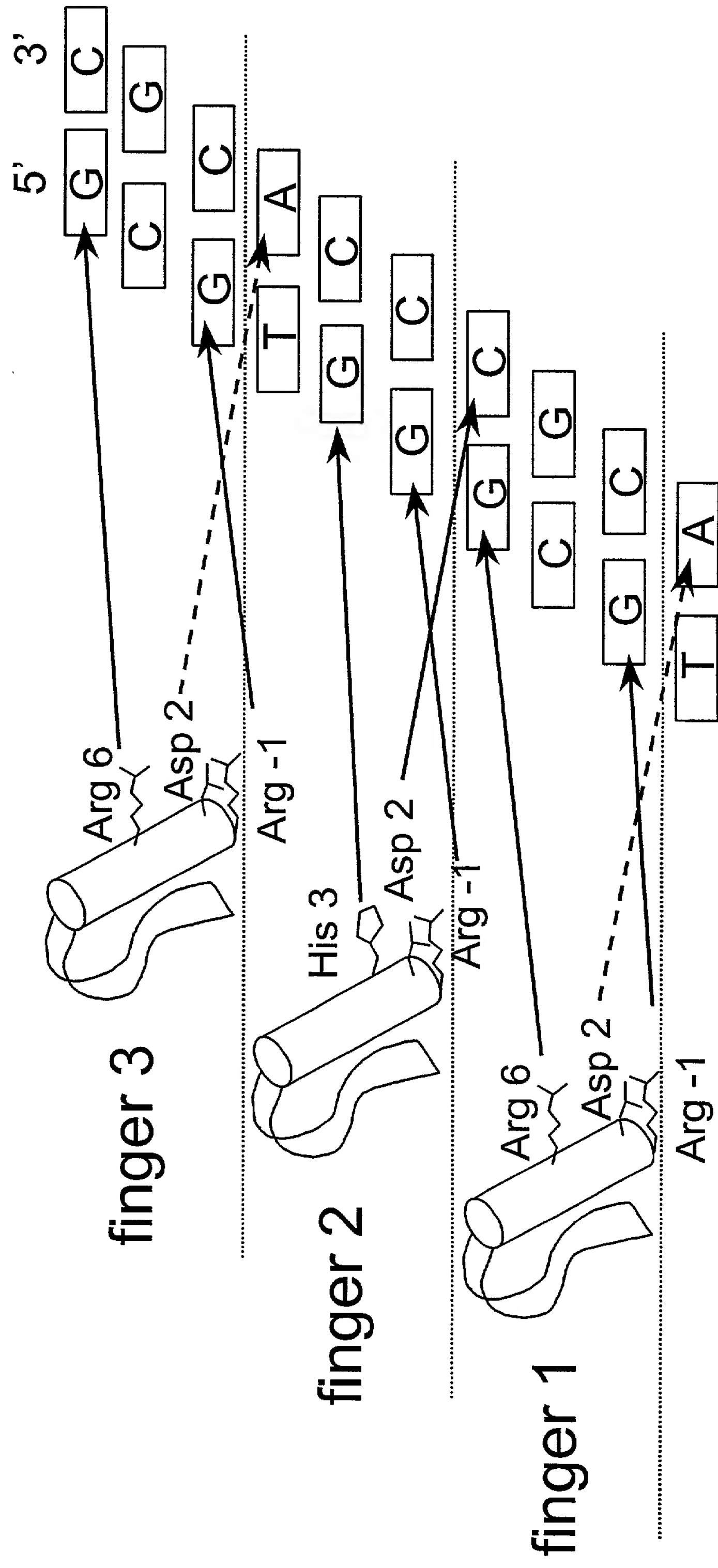


Figure 3

Base

|    | G                            | A                    | C                            | T                            |
|----|------------------------------|----------------------|------------------------------|------------------------------|
| 5' | Arg6<br>Lys6<br>Asp2<br>Ser2 | Gln6                 | Ser2                         | Lys6<br>Asp2                 |
|    | His3<br>Lys3                 | Asn3<br>Ser3<br>His3 | Asp3<br>Thr3<br>Val3<br>Leu3 | Thr3<br>Ala3<br>Ser3<br>Val3 |
| 3' | Arg-1                        | Gln-1                | Asp-1                        | Leu-1<br>Thr-1<br>Asn-1      |

Position  
in triplet

Figure 4

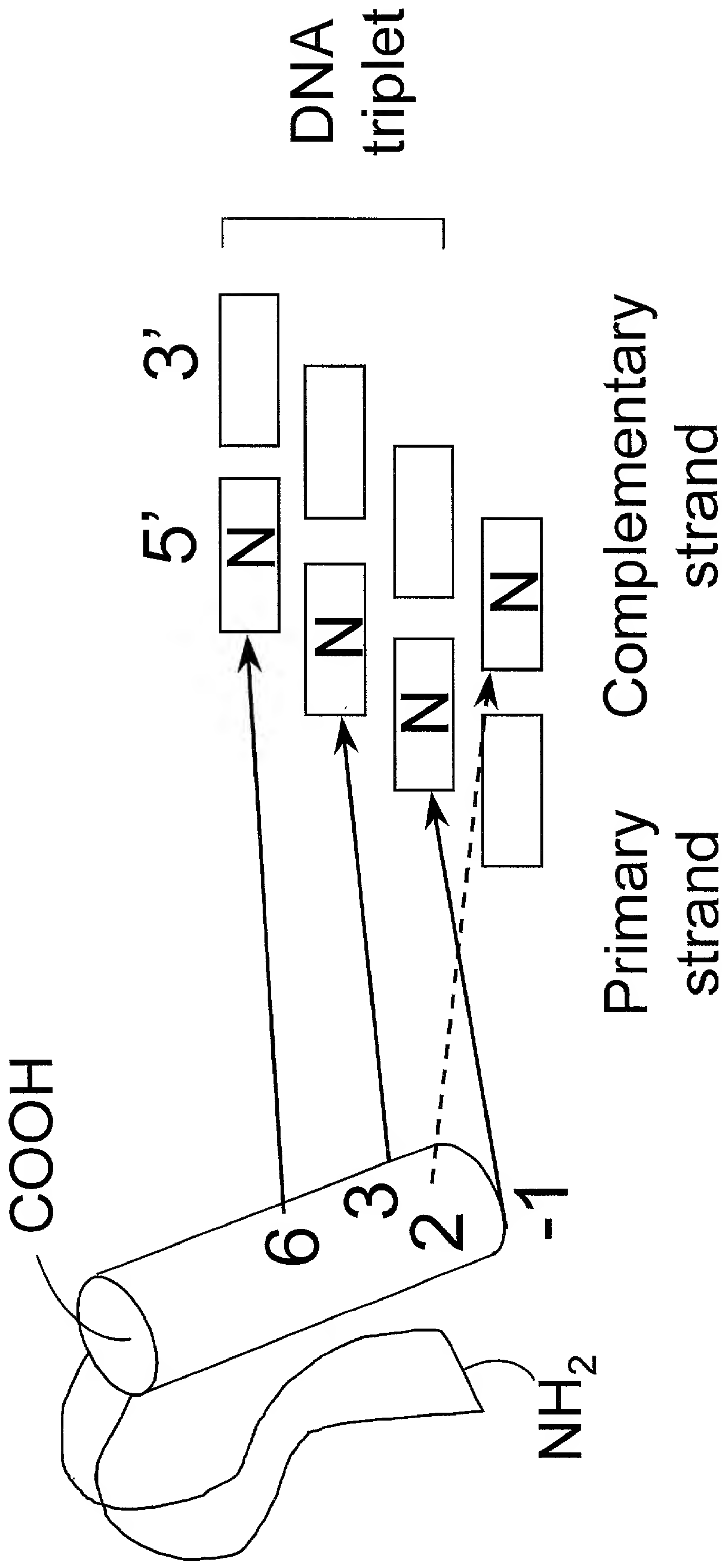
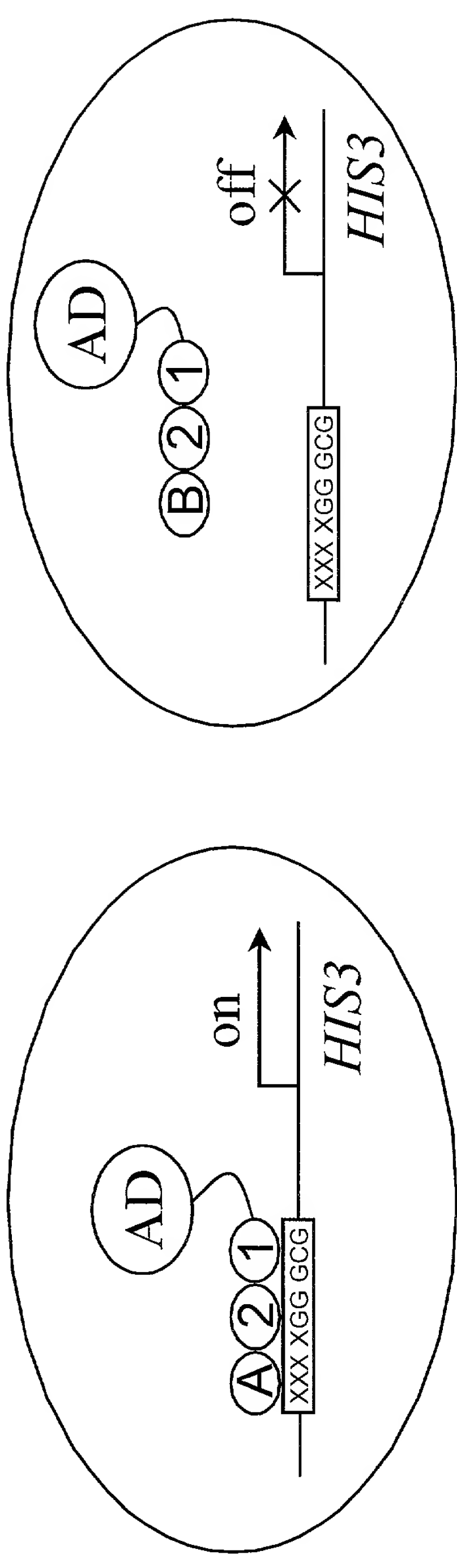


Figure 5



## Growth on – histidine plates

Yes

$$z$$